



PDS_VERSION_ID = PDS3
 LABEL_REVISION_NOTE = "
 2006-07-08 SOC:Carcich Initial version;
 2008-08-25 SOC:Carcich Changed MISSION_DESC spacing and
 indentation per PDS Standards Reference
 recommendations.
 Edited this revision note.
 2014-10-24 SOC:Carcich Minor typo fixes
 2014-10-24 SOC:Carcich Added Plutonian TARGET_NAMES
 2016-04-09 SOC:Finley Updated for Pluto Encounter
 2016-10-31 SOC:All Updated Mission Stop Date; added info about
 KBO Extended Mission (KEM); added Summary, many general fixes from
 2016-05 review; many LEISA fixes, include better OBJECT descriptions
 under data;
 "

RECORD_TYPE = STREAM
 OBJECT = MISSION
 MISSION_NAME = "NEW HORIZONS"
 OBJECT = MISSION_INFORMATION
 MISSION_START_DATE = 2006-01-19
 MISSION_STOP_DATE = 2021-09-30
 MISSION_ALIAS_NAME = "NH"
 MISSION_DESC = "

This material has been adapted from the New Horizons web site. The mission stop date is the current stop date of the KBO Extended Mission (KEM).

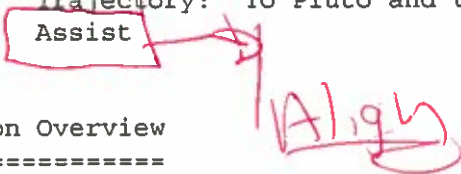
Summary
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Launch: January 19, 2006

Launch Vehicle: Atlas V 551 first stage; Centaur second stage;
 STAR 48B solid rocket third stage

Location: Cape Canaveral Air Force Station, Florida

Trajectory: To Pluto and the Kuiper Belt via Jupiter Gravity
 Assist



Mission Overview
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The primary science goals of the NEW HORIZONS mission are to characterize the global geology and morphology of Pluto and Charon, to map the surface composition of Pluto and Charon, and to characterize the neutral atmosphere of Pluto and its escape rate (NASA AO, 2001 [NASAAO2001]; Stern & Spencer, 2004 [STERN&SPENCER2004A]).

Mission Design
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The New Horizons spacecraft trajectory was designed to have as early an arrival time at Pluto as practicable.